

Water Quality Plots 1

Replacing what proved to be a troublesome, unreliable monitoring system with another that proved more robust, that helped salvage research, and allowed a successful transition into the new water quality project.



1. Drainage Pit before removing unsafe and impractical electrical outlets.
2. Drainage Pit after relocating electrical outlets to a safer above ground enclosure.
3. Old plot setup - flumes and ultrasonics exposed to rain, wires in way of maintenance.
4. New plot setup - covers protect flumes, wires buried, solar panels more reliable and efficient means of maintaining battery voltage.
5. Old ultrasonic runoff measurement device that proved unreliable.
6. Closeup of ultrasonic devices showing problematic circuit board.
7. New runoff measurement setup with pressure transducer.
8. Closeup of pressure transducer. Not susceptible to moisture problems.